

Unit 9 Day 2 HW

Graphing Using Axis of Symmetry and Vertex

Name: _____

Date: _____ Per: _____

Graph each quadratic function using Axis of Symmetry (AoS) and Vertex. The first problem has the steps written out for you!

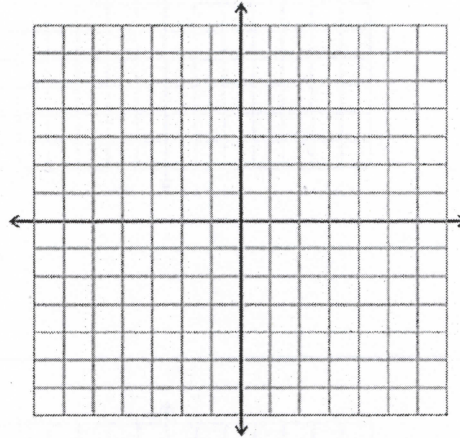
1. $y = x^2 - 4x + 5$

1. Standard Form?

2. AoS:

3. Vertex:

4. Graph the AoS and Vertex!

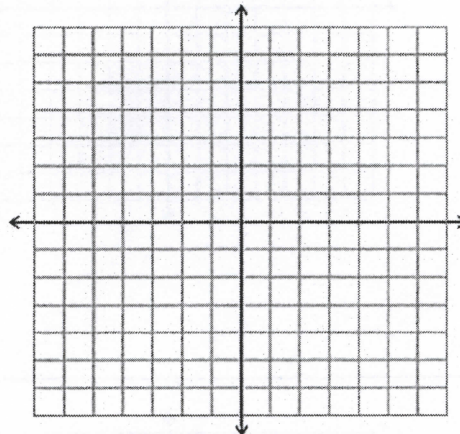


5. Choose 2 x-values on one side of AoS:

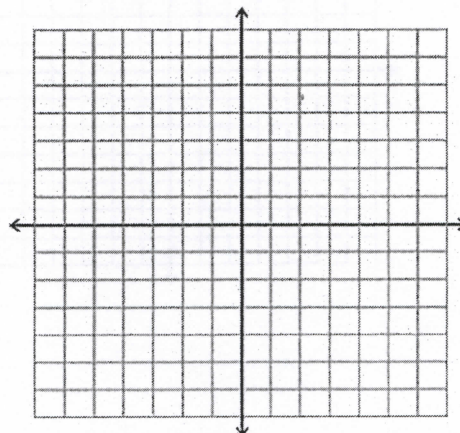
X	Y

6. Use Symmetry!!!

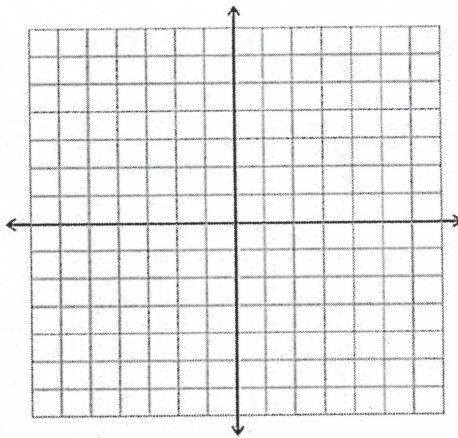
2. $y = x^2 + 2x$



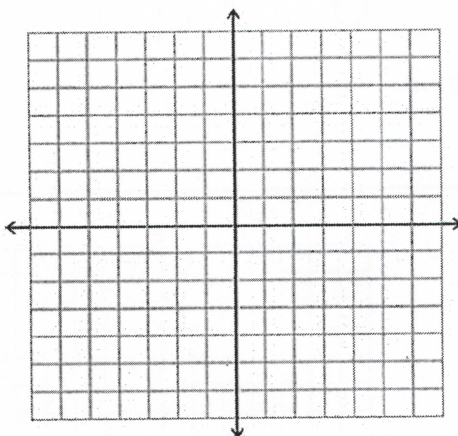
3. $y = -x^2 - 6x - 7$



4. $y = 2x - 1 + x^2$



5. $y = 15 + x^2 - 7x$



6. $y = -x^2 + 5x - 2$

